

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A roll barrel for processing a web-shaped material, said roll barrel comprising:

a gray cast iron core; and

an white cast iron outer shell,

said roll barrel being provided close to a final contour of a finished component, and not as a semi-finished component, through continuous casting from a metal alloy solidified in said white cast iron outer shell of the roll barrel outside of thermodynamic equilibrium,

said roll barrel having a circular cylindrical shape along its length,

the metal alloy being solidified in the gray cast iron core stably, and the metal alloy being chilled in said white cast iron outer shell in its crystal lattice by rapid cooling.

2. (Cancelled)

3. (Previously Presented) The roll barrel of claim 1 wherein the metal alloy is not a wrought alloy.

4. (Previously Presented) The roll barrel of claim 1 wherein the metal alloy is a casting iron alloy.

5. (Previously Presented) The roll barrel of claim 1 wherein the metal alloy is a tool steel alloy having a carbon content of at least 0.8 to at most 1.5% in the mean, and a chromium content of at least 5 and at most 12%, and contains at least one of the elements vanadium, molybdenum and tungsten as a further alloying element, wherein the vanadium

content is at most 10%, the molybdenum content is at most 1.5% and the tungsten content is at most 1%, the contents each measured by weight.

6. (Cancelled)

7. (Cancelled)

8. (Previously Presented) The roll barrel of claim 1 wherein the outer shell exhibits a thickness between 1% and 20% of the mean distance between the surface of the shell and a central longitudinal axis of the roll barrel.

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Previously Presented) The roll barrel of claim 1 wherein the roll barrel is a compound roll barrel having fibers extending in the casting direction of the roll barrel and cast-in by the metal alloy.

13. (Previously Presented) The roll barrel of claim 1 wherein said roll barrel is an abrasion-proof casting body for at least one of milling, grinding, or chafing.

14. (Cancelled)